# OPTEX

## InSight CUBE

**Visual Verification 2M FHD IP Indoor Cube Camera**

*Available Model:*
INS-CUBE



WiFi

ONVIF® | S
www.onvif.org/profiles/profile-s/

# InSight Cube — Visual Verification Indoor Camera

## Built-in PIR Based 2-Way Audio Visual Verification Security Solution for Indoor Applications

The InSight Cube is an excellent addition to the OPTEX InSight Visual Verification Series, offering a compact PIR based visual verification solution ideal for indoor applications where the InSight Outdoor PIR Camera Series may be too large or bulky. With built-in passive infrared detection sensors, 2-way audio and video capabilities, the InSight Cube is an all-in-one indoor camera that effectively eliminates false alarms and dispatches. The InSight Cube is ONVIF compliant and can directly connect to the OPTEX Visual Verification Bridge, as well as any DVR, NVR or VMS.

## Gain visibility with optimized video of the detection area

- Capable of optimizing video quality between high movement vs. low movement detection areas for maximum efficiency.
- Double scanning sensor provides up to 30fps at 1080p resolution.

## Plug & play integration with the OPTEX Bridge

- Easily integrates into new or existing Bridge.
- Fully integrated & certified by Bridge & CHeKT portal.

## Compatible with ONVIF

- Alert by ONVIF
- Anti tamper (scene change detection by VCA)

ONVIF® | S

ONVIF is a trademark of Onvif, Inc.
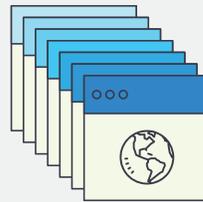
PoE
POWER OVER ETHERNET

## Optimized multi-profile streaming

Up to 3 streams can be set at 1080p environments with different setting parameters, such as resolution, video rate, and frame rate.
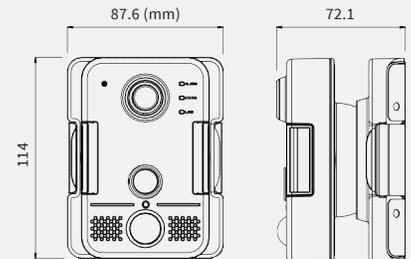
30 FPS

1080 P FHD

## Compatible with any web browser

Flexible plug-in program supports any web browser, such as Chrome, Firefox, Safari, etc.

Wi Fi

## True all-in-one solution

Built-in Passive Infrared (PIR sensors), 2-way audio, and video recording all in one compact sized unit.

87.6 (mm)          72.1

114

# Specifications

### CAMERA

| CAMERA | |
|---|---|
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Lens | 2.8mm, F1.6 |
| Min. Illumination | 0.035Lux, AGC On : 0Lux with IR (F1.6) |
| IR Range | Up to 10m |
| Angle of View | 110° |
| PIR Range | Up to 10m, 120° Angle of View |
| Day/Night | IR cut filter with auto switch |
| Shutter Times | 1/15s - 1/32,000s |

### COMPRESSION STANDARD

| COMPRESSION STANDARD | |
|---|---|
| Video Compression | H.264, H.265, MJPEG |
| Video Bit Rate | 100Kbps - 10Mbps |
| Audio Compression | G.711 |

### IMAGE

| IMAGE | |
|---|---|
| Max. Image Resolution | 1920 x 1080 |
| Frame Rate | 60Hz : 30fps |
| Digital Noise Reduction | 3D DNR |
| Wide Dynamic Range | True WDR |
| Image Setting | Rotate mode, Saturation, Brightness, Contrast, Sharpness, AGC, ROI |

### FUNCTIONS

| FUNCTIONS | |
|---|---|
| Alarm Triggers | Motion detection, Network disconnect, IP address conflict, Storage exception, Temperature critical, PIR detection, Audio detection |
| Local Storage | Built-in Micro SD, SDHC, SDXC card slot, Up to 128GB |
| Security | One-key reset, Flash-prevention, Dual Stream, Password protection, Privacy mask, IP address filtering, Anonymous access |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |

### PHYSICAL

| PHYSICAL | |
|---|---|
| Working Temp. | -20°C - 50°C (-4°F - 122°F), 90% Max Humidity |
| Dimensions (V x H) | 87.6mm x 114mm x 72.1mm |
| Weight | 297g |

### ELECTRICAL

| ELECTRICAL | |
|---|---|
| Power Supply | 12V DC ±10%, PoE (802.3af) |
| Power Consumption | 12V DC 6.4W, PoE (802.3af) 6.8W |

### INTERFACE

| INTERFACE | |
|---|---|
| Communications | 1 RJ45 10M/100M Ethernet Port |
| Audio Input | Built-in Microphone |
| Audio Output | Built-in Speaker |
| Alarm Out (NO/NC) | 1 Channel Signal |
| Tamper Alarm (Switch) | 1 Channel Signal |

### Wi-Fi

| Wi-Fi | |
|---|---|
| Wireless Standard | IEEE802.11b, 802.11g, 802.11n |
| Frequency Range | 2.4 GHz ~ 2.4835 GHz |
| Channel Bandwidth | 20MHz Support |
| Protocols | 802.11b : CCK, QPSK, BPSK ; 802.11g/n : OFDM |
| Security | 64/128bit WEP, WPF/WPA2, WPA-PSK/WPA2-PSK, WPS |
| Wireless Range | 25m (Dependent Upon Environment) |

### CERTIFICATIONS

| CERTIFICATIONS | |
|---|---|
| FCC, CE | |

- Specifications & designs are subject to change without prior notice.
- These units are designed to detect an intruder & activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion.

This product is equipped with the function to produce and record moving and/or still image which includes the information such as face of an individual that could identify the individual. Producing and recording with this product may be regulated by country-specific laws to protect personal information. Prior to the installation of this product, the compliance to local laws and regulations needs to be confirmed by the user of this product for the lawful installation and use of this product, and signage and notification when using this product.

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Contact us: 800.966.7839 / sales@optexamerica.com          www.optexamerica.com